

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 03/00462

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL,WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5974312 A (J.HAYES,JR.ET AL), 26 October 1999 (26.10.99), column 2, line 17 - column 3, line 17, figures 1-4,7-8, abstract  --	1-13
X	US 2002087759 A1 (A.TOYOSHIMA), 4 July 2002 (04.07.02), figures 1-4, abstract, part 1, part 5-8  --	1-13
Y	US 90373 55 (W.WHITLEY ET AL), 31 December 1996 (31.12.96), column 2, line 32 - column 3, line 30, figures 7-8, abstract  --	1-13

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

27 August 2003

02 -09- 2003

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0583077 A1 (ORBITEL MOBILE COMMUNICATIONS LTD), 16 February 1994 (16.02.94), column 1 - column 3, line 22, abstract  --	1-13
Y	US 6044265 A (P.O. ROACH,JR.), 28 March 2000 (28.03.00), column 3, line 17 - column 5, line 35, figures 1-6, abstract  --	1-13
Y	DE 19633919 C1 (SIEMENS AG), 5 June 1997 (05.06.97), figure 1, abstract  -----	1-13

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

26/07/03

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5974312 A	26/10/99	AU 752584 B AU 7985598 A BR 9810583 A CN 1269951 T EE 200000021 A EP 0995326 A JP 2001510315 T WO 9903288 A		26/09/02 08/02/99 05/09/00 11/10/00 16/10/00 26/04/00 31/07/01 21/01/99
US 2002087759 A1	04/07/02	US 2002080741 A US 2002081993 A US 2002085530 A US 2002174190 A		27/06/02 27/06/02 04/07/02 21/11/02
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EP 0583077 A1	16/02/94	SE 0583077 T3 AU 667552 B AU 4206193 A DE 69323015 D,T ES 2130226 T GB 2269032 A,B GB 9215475 D US 5430877 A		28/03/96 27/01/94 10/06/99 01/07/99 26/01/94 00/00/00 04/07/95
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DE 19633919 C1	05/06/97	NONE		